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Docket No. 1453.706

IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A composite dielectric material comprising a resin material and an approximately spherical dielectric ceramic powder to be mixed with said resin material, the composite dielectric material being characterized in that:

said dielectric ceramic powder is based on BaO-R_2O_3-TiO_2;

said dielectric ceramic powder comprises an oxide of a transition metal element having at least two states of ionic valences less than 4;

said dielectric ceramic powder has a specific surface area of 1.2 m^2/g or less and exclusive of 0;

the content of said dielectric ceramic powder is 40 vol% or more and 70 vol% or less when the total content of said resin material and said dielectric ceramic powder is represented as 100 vol%; and

the electric resistivity of said composite dielectric material is 1.0×10^{12} Ω·cm or more,

wherein R is a rare earth element and R_2O_3 is an oxide of the rare earth element,

said dielectric ceramic powder comprises a Mn oxide as said oxide of a transition metal element having at least two states of ionic valences less than 4 and the content of said Mn oxide in said composite dielectric material is 0.01 to 0.1 wt% in terms of MnO, and

the dielectric constant ε of said composite dielectric material is 10 or more wherein the measurement frequency therefore is 2 GHz.

2. (Currently amended) A composite dielectric material comprising a resin material and a dielectric ceramic powder to be mixed with said resin material, the composite dielectric material being characterized in that:

said dielectric ceramic powder is based on BaO-R_2O_3-TiO_2 and the sphericity thereof is 0.8 to 1;

said dielectric ceramic powder comprises an oxide of a transition metal element having at least two states of ionic valences less than 4;

said dielectric ceramic powder has a specific surface area of 1.2 m^2/g or less and exclusive of 0;

the content of said dielectric ceramic powder is 40 vol% or more and 70 vol% or less when the total content of said resin material and said dielectric ceramic powder is represented as 100 vol%; and

the electric resistivity of said composite dielectric material is 1.0×10^{12} $\Omega \cdot cm$ or more,

wherein R is a rare earth element and R_2O_3 is an oxide of the rare earth element,

said dielectric ceramic powder comprises a Mn oxide as said oxide of a transition metal element having at least two states of ionic valences less than 4 and the content of said Mn oxide in said composite dielectric material is 0.01 to 0.1 wt% in terms of MnO, and

the dielectric constant ε of said composite dielectric material is 10 or more wherein the measurement frequency therefore is 2 GHz.

3. Cancelled.

4. (Original) The composite dielectric material according to claim 1 or 2, characterized in that the sphericity of said dielectric ceramic powder is 0.85 to 1.

5. (Original) The composite dielectric material according to claim 1 or 2, characterized in that said dielectric ceramic powder has a composition that BaO: 6.67 to 21.67 mol%, R_2O_3: 6.67 to 26.67 mol%, and TiO_2: 61.66 to 76.66 mol%.

6. (Currently amended) The composite dielectric material according to claim 1 or 2, characterized in that:

said dielectric ceramic powder further comprises one or more of ~~a Mn oxide,~~ a Cr oxide, a Fe oxide, a Co oxide, a Ni oxide and a Cu oxide, as said oxide of the transition metal element having at least two states of ionic valences less than 4.

7-8 (Cancelled).

9. (Original) The composite dielectric material according to claim 6, characterized in that the sphericity of the particles of said dielectric ceramic powder is 0.8 to 1.

10. (Currently amended) The composite dielectric material according to ~~any one of~~ claims 1 or 2 ~~1, 2 and 6~~, characterized in that the mean particle size of said dielectric ceramic powder is 0.5 to 10 μm.

11. (Currently amended) The composite dielectric material according to ~~any one of~~ claims 1 or 2 ~~1, 2 and 6~~, characterized in that ~~the dielectric constant ε thereof is 10 or more and~~ the Q value ~~thereof~~ of said composite dielectric material is 300 or more, wherein the measurement frequency is 2 GHz therefore ~~the dielectric constant ε and the Q value~~.

12-13 (Canceled).

14. (Currently amended) The composite dielectric material according to ~~any one of~~ claims 1 or 2 ~~1, 2 and 6~~, characterized in that said resin material is a polyvinyl benzyl ether compound.

15-20 (Canceled).